What Is Claimed Is:

- 1. An isolated nucleic acid molecule comprising a polynucleotide having a nucleotide sequence at least 95% identical to a sequence selected from the group consisting of:
- (a) a nucleotide sequence encoding a polypeptide comprising amino acids from about -32 to about 365 in SEQ ID NO:2;
- (b) a nucleotide sequence encoding a polypeptide comprising amino acids from about -31 to about 365 in SEQ ID NO:2;
- (c) a nucleotide sequence encoding a polypeptide comprising amino acids from about 1 to about 365 in SEQ ID NO:2;
- (d) a nucleotide sequence encoding a polypeptide having the amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No.
 97729; and
- (e) a nucleotide sequence complementary to any of the nucleotide sequences in (a), (b), (c) or (d).
- 2. An isolated nucleic acid molecule comprising a polynucleotide which encodes the amino acid sequence of an epitope-bearing portion of an CAPP polypeptide having an amino acid sequence in (a), (b), (c) or (d) of claim 1.
- 3. The isolated nucleic acid molecule of claim 1, which encodes an epitope-bearing portion of a CAPP polypeptide selected from the group consisting of: a polypeptide comprising amino acid residues from about -32 to about -22 in SEQ ID NO:2; a polypeptide comprising amino acid residues from about -4 to about 40 in SEQ ID NO:2; a polypeptide comprising amino acid residues from about 46 to about 57 in SEQ ID NO:2; a polypeptide comprising amino acid residues from about 62 to about 73 in SEQ ID NO:2; a polypeptide comprising amino acid residues from about 78 to about 87 in SEQ ID NO:2; a polypeptide comprising amino acid residues from about 92 to about 110 in SEQ ID NO:2; a polypeptide comprising amino acid residues from about 119 to about 144 in SEQ ID NO:2; a polypeptide comprising amino acid residues from about 145 to about 157 to about 158 to about 159 to about 15

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152 to about 186 in SEQ ID NO:2; a polypeptide comprising amino acid residues from about 200 to about 219 in SEQ ID NO:2; a polypeptide comprising amino acid residues from about 230 to about 240 in SEQ ID NO:2; a polypeptide comprising amino acid residues from about 248 to about 258 in SEQ ID NO:2; a polypeptide comprising amino acid residues from about 314 to about 336 in SEQ ID NO:2; and a polypeptide comprising amino acid residues from about 344 to about 353 in SEQ ID NO:2.

- 4. An isolated nucleic acid molecule, comprising a polynucleotide having a sequence slected from the group consisting of:
- (a) the nucleotide sequence of a fragment of the sequence shown in SEQ ID NO:1, wherein said fragment comprises at least 50 contiguous nucleotides of SEQ ID NO:1; and
- (b) a nucleotide sequence complementary to a nucleotide sequence in (a).
- 5. A method for making a recombinant vector comprising inserting an isolated nucleic acid molecule of claim 1 into a vector.
 - 6. A recombinant vector produced by the method of claim 5.
- 7. A method of making a recombinant host cell comprising introducing the recombinant vector of claim 6 into a host cell.
 - 8. A recombinant host cell produced by the method of claim 7.
- 9. A recombinant method for producing any of the CAPP polypeptides, comprising culturing the recombinant host cell of claim 8 under conditions such that said polypeptide is expressed and recovering said polypeptide.

- An isolated CAPP polypeptide having an amino acid sequence at 10. least 95% identical to a sequence selected from the group consisting of:
 - amino acids from about -32 to about 365 in SEQ ID NO:2; (a)
 - (b) amino acids from about -31 to about 365 in SEQ ID NO:2;
 - amino acids from about 1 to about 365 in SEQ ID NO:2; (c)
- the amino acid sequence of the CAPP polypeptide having (d) the amino acid sequence encoded by the cDNA clones contained in ATCC Deposit No. 97729; and
- the amino acid sequence of an epitope-bearing portion of (e) any one of the polypeptides of (a), (b), (c) or (d).
- An isolated polypeptide comprising an epitope-bearing portion of 11. the CAPP protein, wherein said portion is selected from the group consisting of: a polypeptide comprising amino acid residues from about -32 to about -22 in SEQ ID NO:2; a polypeptide comprising amino acid residues from about -4 to about 40 in SEQ ID NO:2; a polypeptide comprising amino acid residues from about 46 to about 57 in SEQ ID NO:2; a polypeptide comprising amino acid residues from about 62 to about 73 in SEQ ID NO:2; a polypeptide comprising amino acid residues from about 78 to about 87 in SEQ ID NO:2; a polypeptide comprising amino acid residues from about 92 to about 110 in SEQ ID NO:2; a polypeptide comprising amino acid residues from about 119 to about 144 in SEQ ID NO:2; a polypeptide comprising amino acid residues from about 152 to about 186 in SEQ ID NO:2; a polypeptide comprising amino acid residues from about 200 to about 219 in SEQ ID NO:2; a polypeptide comprising amino acid residues from about 230 to about 240 in SEQ ID NO:2; a polypeptide comprising amino acid residues from about 248 to about 258 in SEQ ID NO:2; a polypeptide comprising amino acid residues from about 314 to about 336 in SEQ ID NO:2; and a polypeptide comprising amino acid residues from about 344 to about 353 in SEQ ID NO:2.
 - An isolated antibody that binds specifically to a CAPP polypeptide 12. of claim 10.

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- 13. An isolated nucleic acid molecule comprising a polynucleotide encoding a CAPP polypeptide wherein, except for one to fifty conservative amino acid substitutions, said polypeptide has a sequence selected from the group consisting of:
- (a) a nucleotide sequence encoding a polypeptide comprising amino acids from about -32 to about 365 in SEQ ID NO:2;
- (b) a nucleotide sequence encoding a polypeptide comprising amino acids from about -31 to about 365 in SEQ ID NO:2;
- (c) a nucleotide sequence encoding a polypeptide comprising amino acids from about 1 to about 365 in SEQ ID NO:2;
- (d) a nucleotide sequence encoding a polypeptide having the amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. 97729; and
- (e) a nucleotide sequence complementary to any of the nucleotide sequences in (a), (b), (c) or (d).
- 14. An isolated CAPP polypeptide wherein, except for at least one conservative amino acid substitution, said polypeptide has a sequence selected from the group consisting of:
 - (a) amino acids from about -32 to about 365 in SEQ ID NO:2;
 - (b) amino acids from about -31 to about 365 in SEQ ID NO:2;
 - (c) amino acids from about 1 to about 365 in SEQ ID NO:2;
- (d) the amino acid sequence of the CAPP polypeptide having the amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. 97729; and
- (e) the amino acid sequence of an epitope-bearing portion of any one of the polypeptides of (a), (b), (c) or (d).
- 15. An isolated antibody that binds specifically to a CAPP polypeptide of claim 10.

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